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# Perinatal Hepatitis B in Texas

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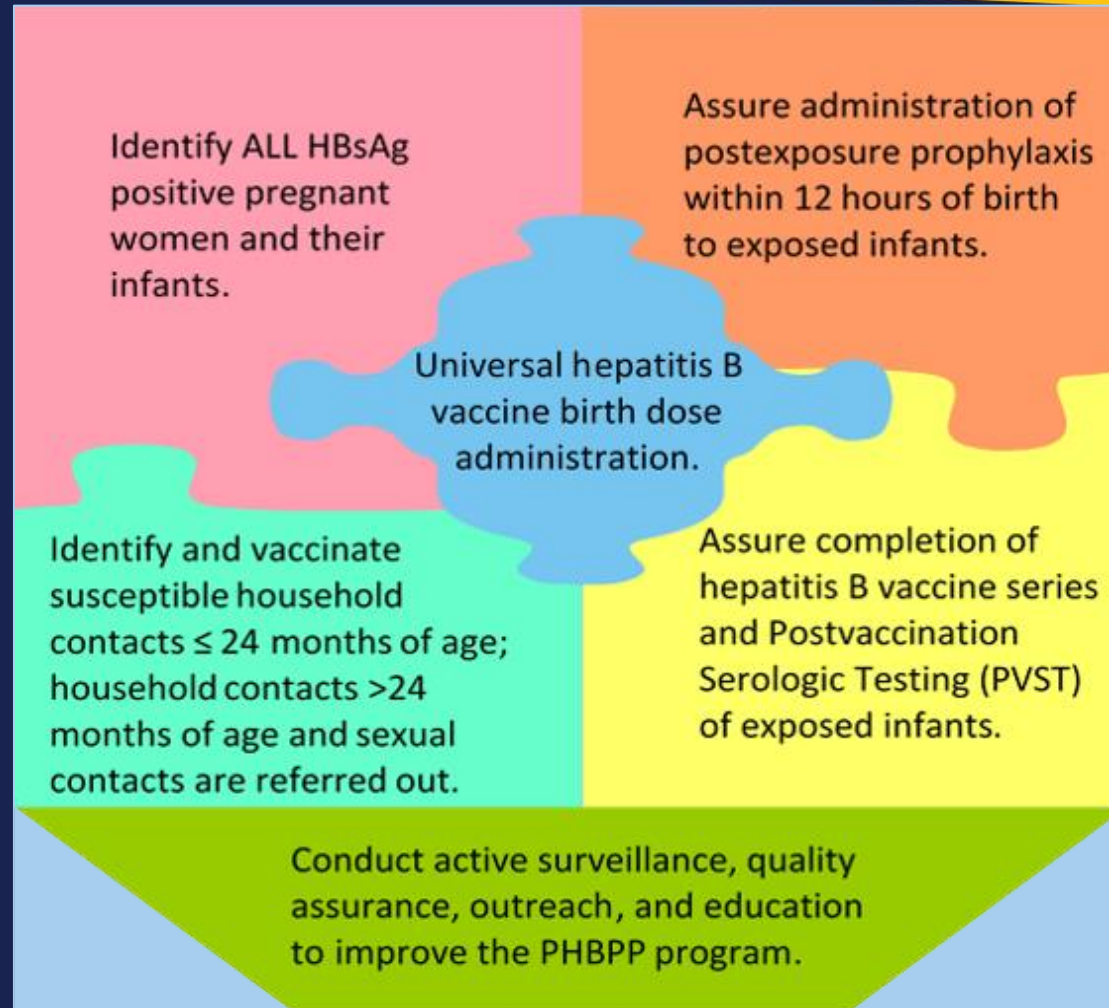
**Rachel Wiseman, MPH**

# Overview



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- CDC Estimates
- PHBPP Demographics
- PHBPP Performance Measures

## NOTE:

All 2017 data is provisional. Babies born in 2017 may not be old enough to have completed the series or be tested for infection/immunity.

Data for San Antonio and Houston is not included in any of the data presented.

# CDC Estimates of Births to Hepatitis B-infected Women



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Maternal Residence	Births	United States-Born <sup>1</sup>					Total Births
		White, Non- Hispanic	Black, Non- Hispanic	Hispanic	Asian/Pacific Islander	Other/ Unknown	
Texas	All Births	118,747	30,330	87,963	3,014	959	325,569
Texas	HBsAg Births	202	194	79	30	11	1,194
Houston	All Births	8,161	9,429	11,559	760	55	53,842
	HBsAg Births	14	60	10	8	1	313
San Antonio	All Births	4,789	1,371	12,780	197	49	24,185
	HBsAg Births	8	9	12	2	1	67

Source of HBsAg prevalence estimates:

- National Health and Nutrition Examination Survey 2009-2014
- 2009-2014 Annual Reports
- Walker TY, Smith EA, Fenlon N, et al. Characteristics of Pregnant Women with Hepatitis B Virus Infection in Five U.S. Public Health Jurisdictions, 2008–2012. Public Health Reports. 2016 Aug 2016.



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# CDC Estimates & Texas PHBPP

**CDC**

- Point: 1194
- Low: 882

**Texas**

- 2015: 648 (54%)
- 2016: 654 (55%)



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# Questions We Need to Answer

Who are these  
missing moms?

Where are these  
missing moms?

How do we find  
them or get them  
reported to us?

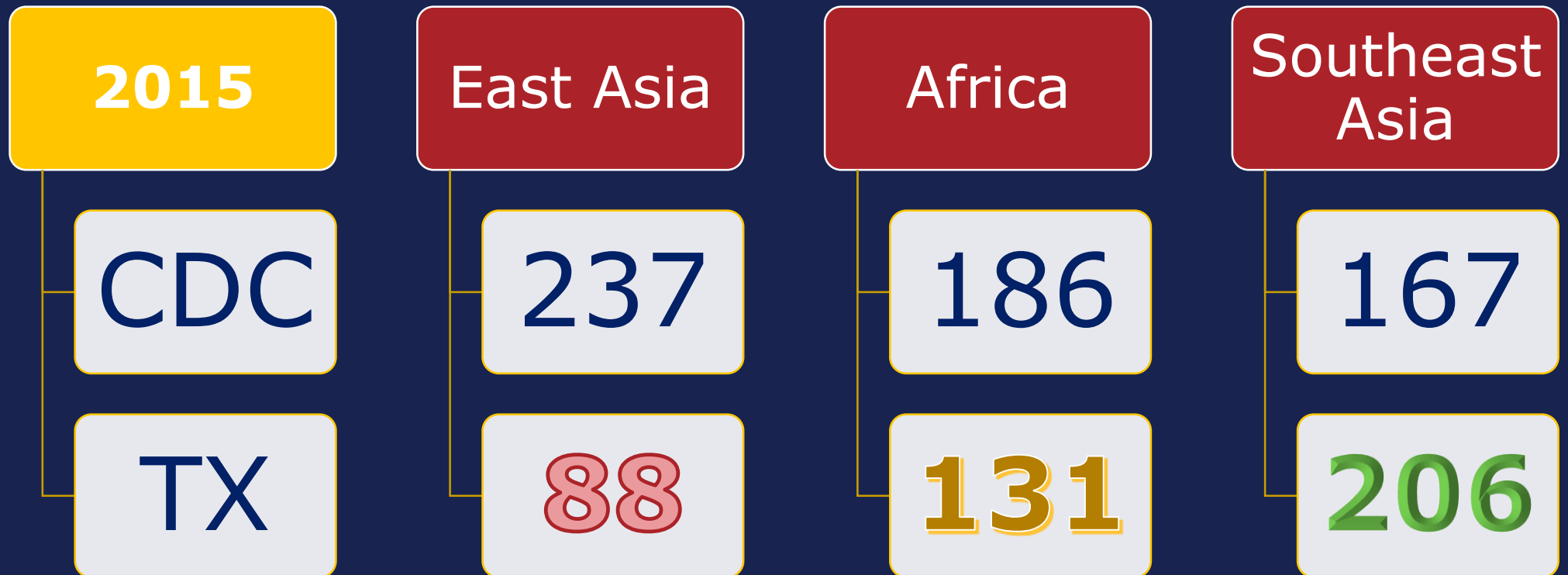
**1194 Moms**



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# Drilling Down the Estimate



**East Asia:** China, Hong Kong, Japan, North Korea, South Korea, Macau, Mongolia, Taiwan, Southern Ryukyu Islands **Southeast Asia:** Burma, Brunei, Cambodia, Indonesia, Laos, Malaysia, Paracel Islands, Spratly Islands, Papua New Guinea, Timor, Philippines, Singapore, Thailand, East Timor, Vietnam

# Maternal Country of Birth, Texas PHBPP, 2016

Country	Number of Moms (%)
VIETNAM	129 (18%)
UNKNOWN	101 (14%)
USA	79 (11%)
CHINA	74 (10%)
NIGERIA	68 (9%)
BURMA	24 (3%)
CONGO	24 (3%)
INDIA	18 (3%)
TAIWAN	14 (2%)
MEXICO	12 (2%)
<b>TOTAL</b>	<b>716</b>

An additional 57 countries are represented in the 2016 enrollment.<sup>7</sup>

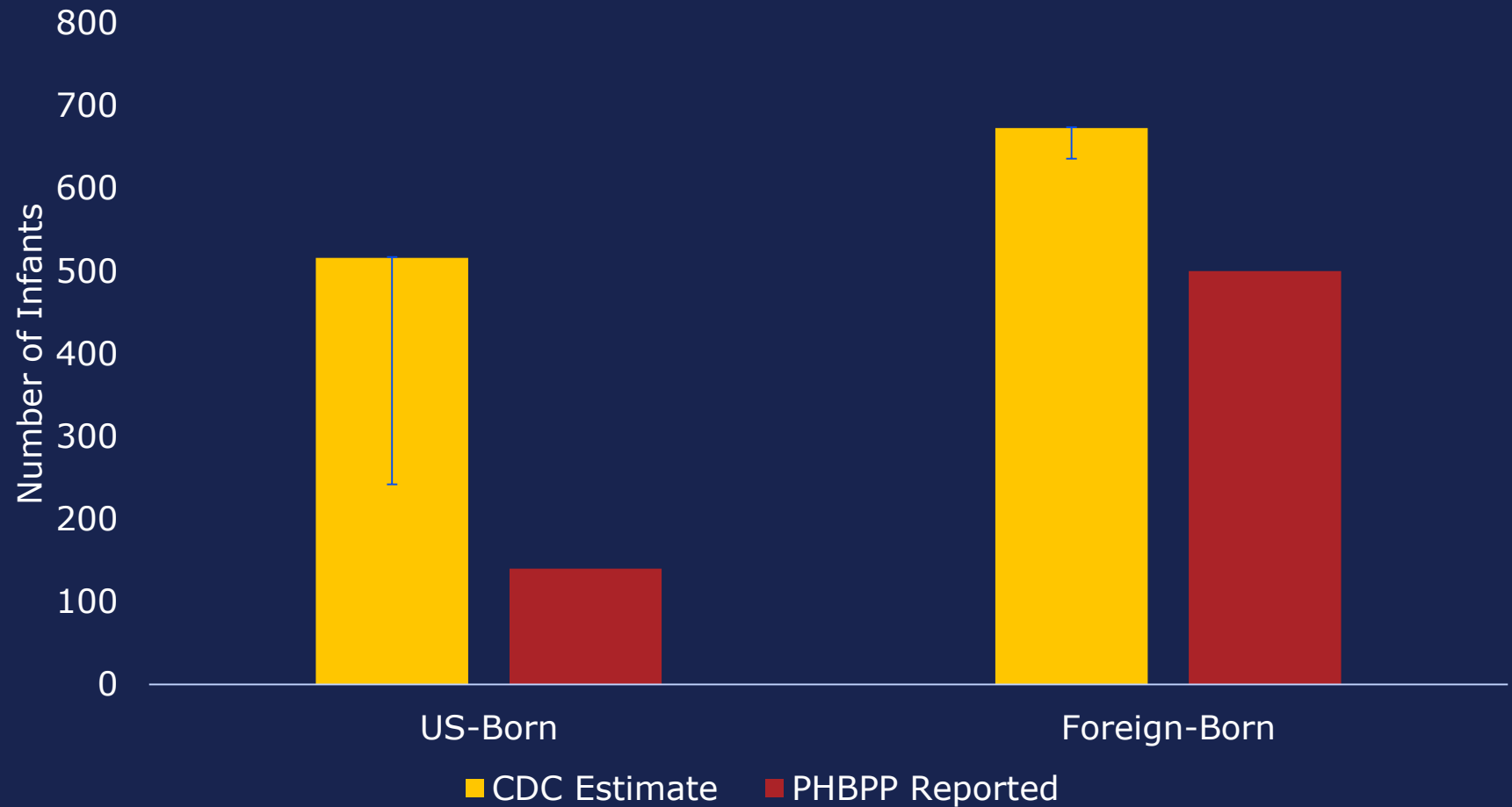


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# Infants Born to Foreign-Born and US-Born Moms, 2015

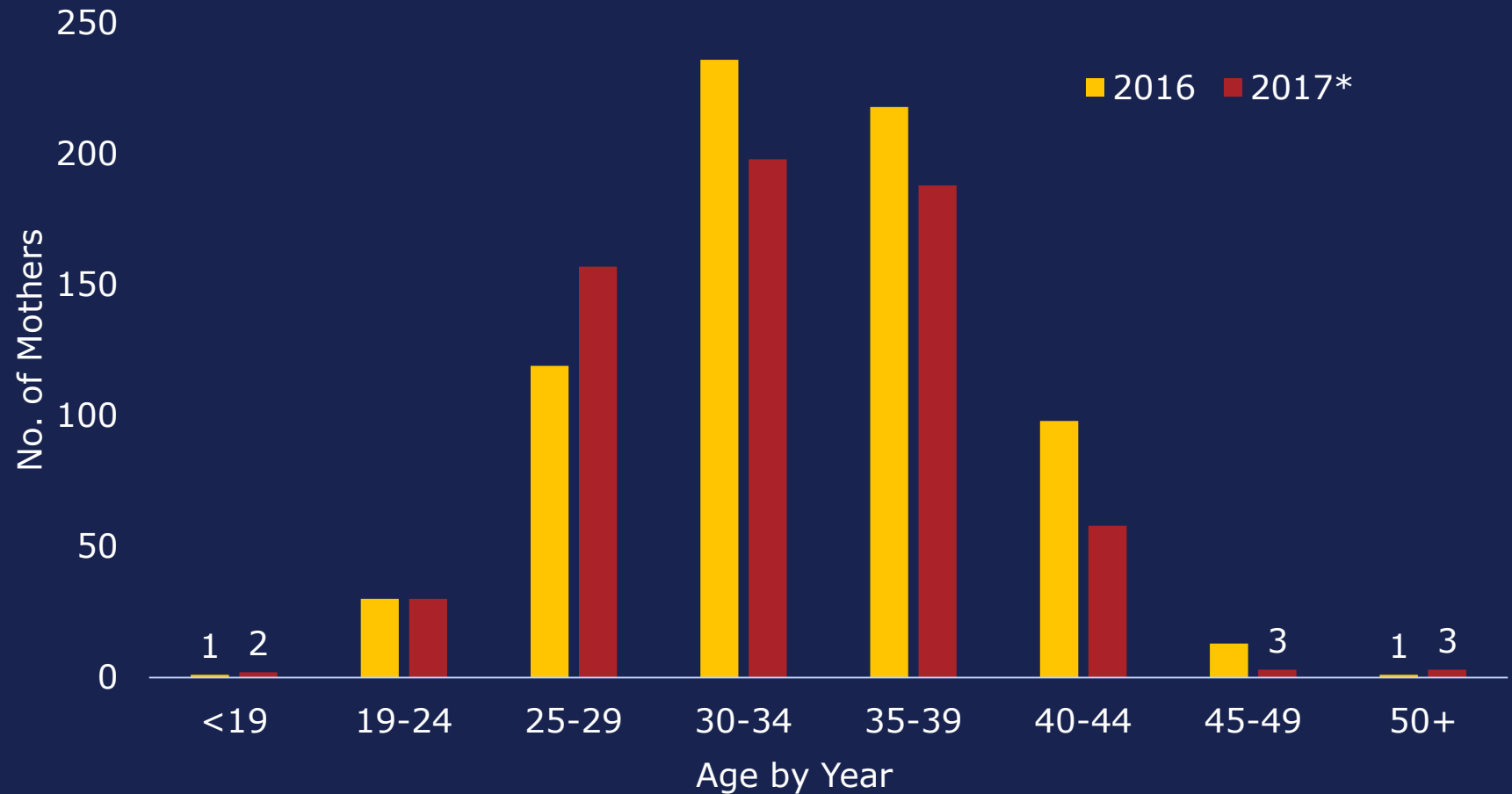


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# Maternal Age, Texas PHBPP, 2016-17\*



\*Data is provisional as of 5/1/18



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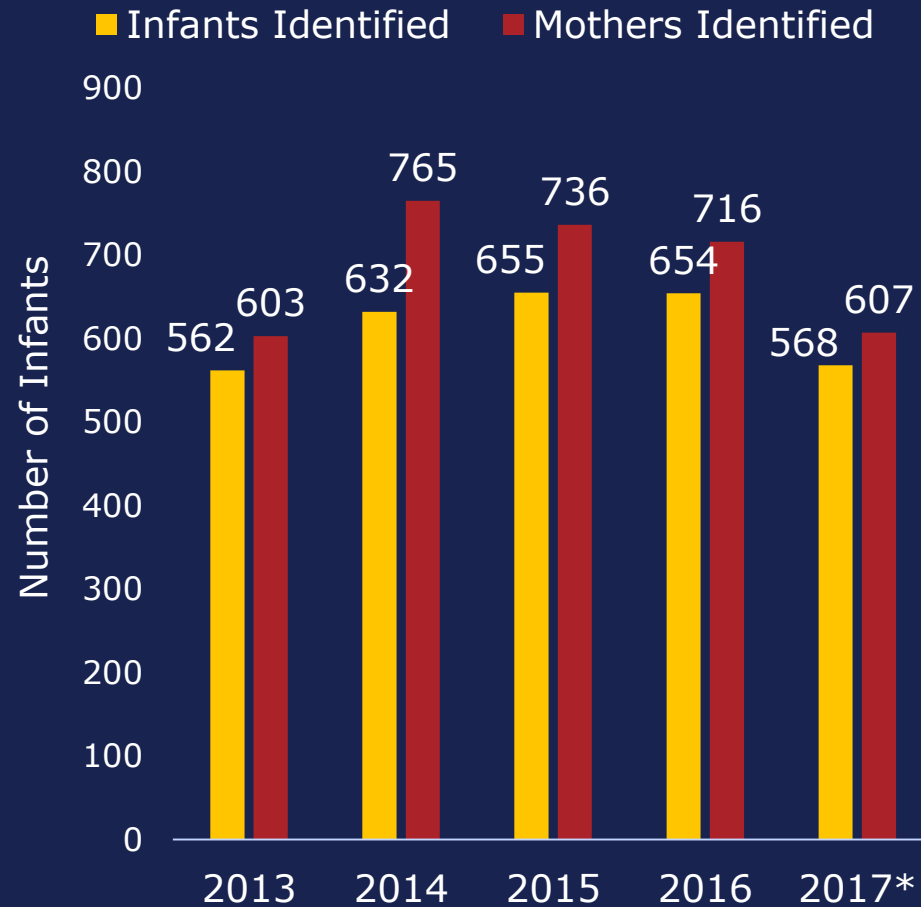
# Infants Born to HBV-infected Moms, Texas PHBPP, 2013-17\*



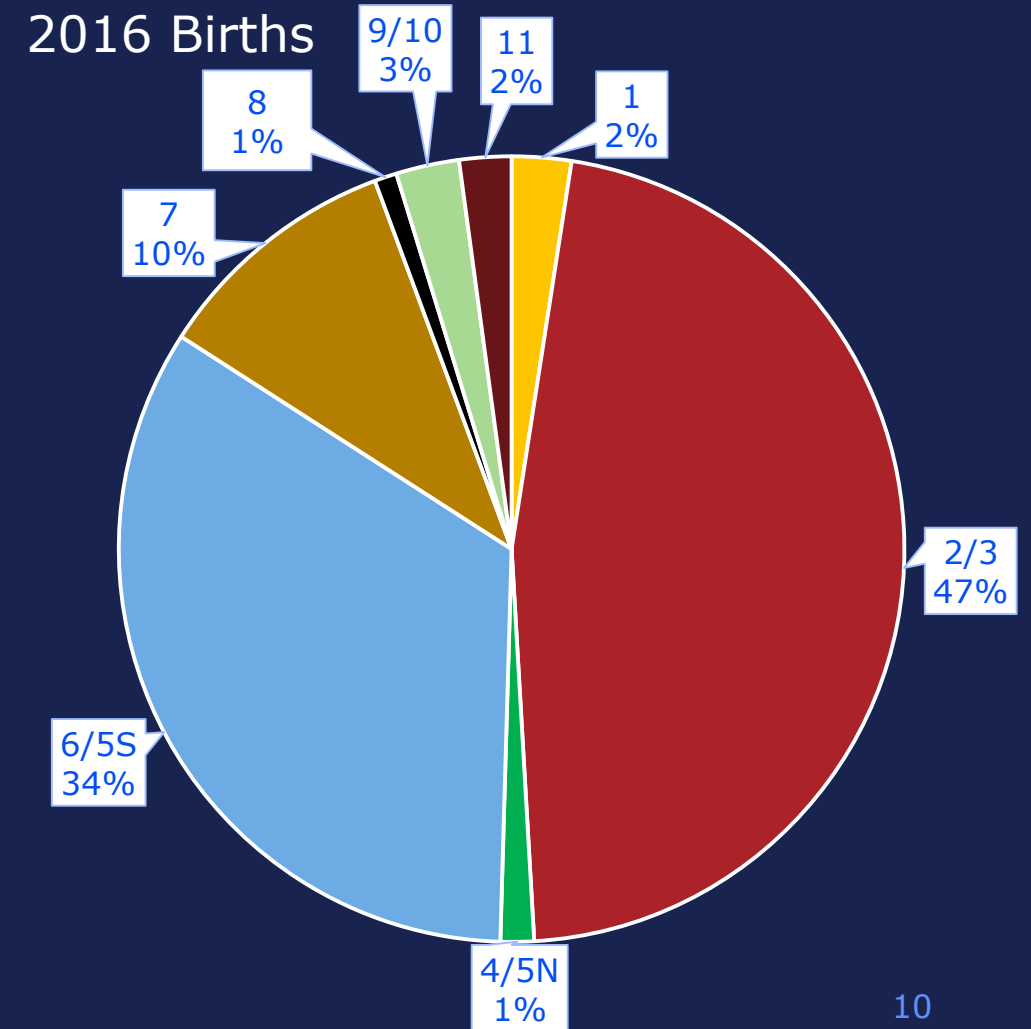
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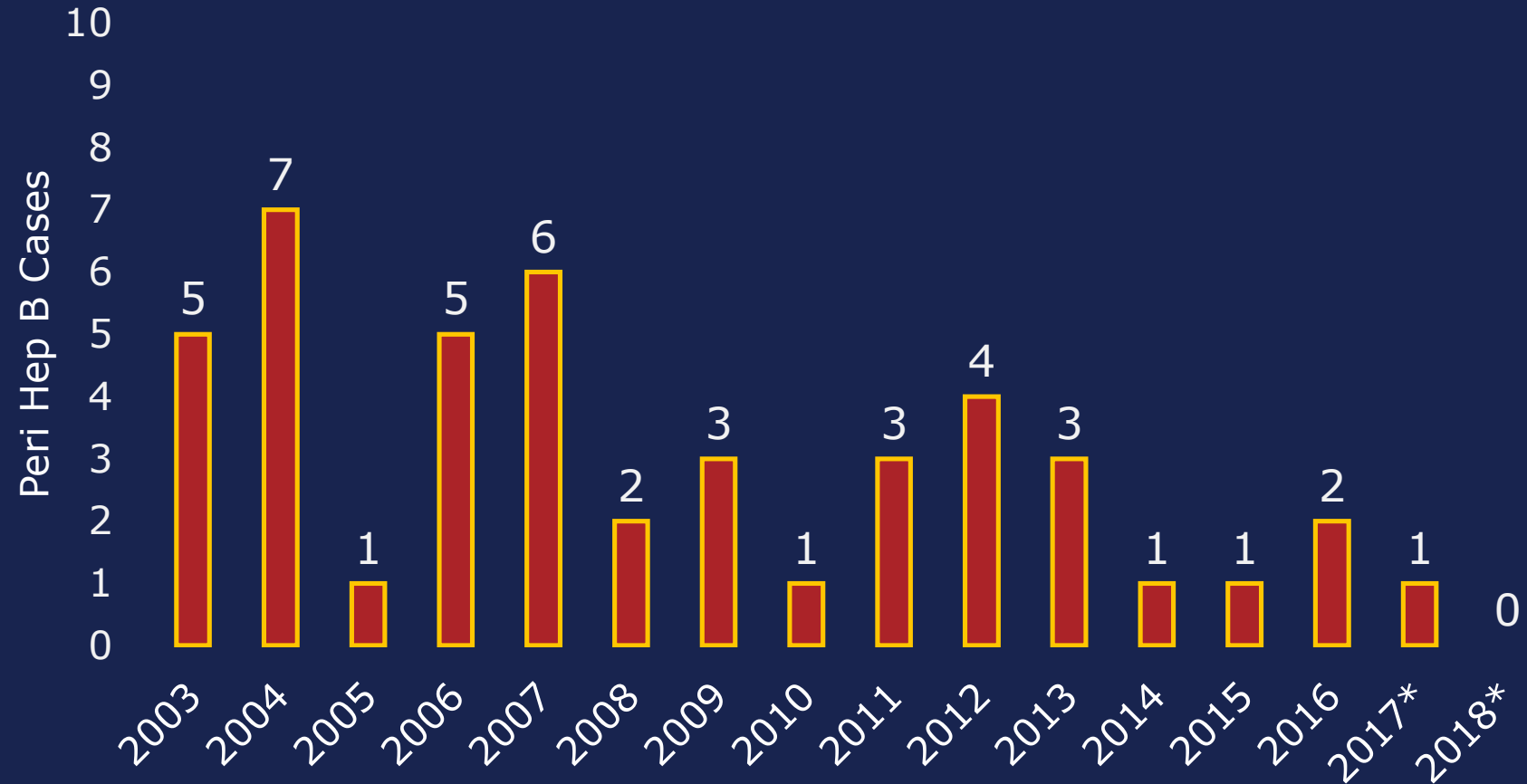
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\*Data is provisional as of 5/1/18



# Perinatal Infection in Infants, Texas, 2003-18\*



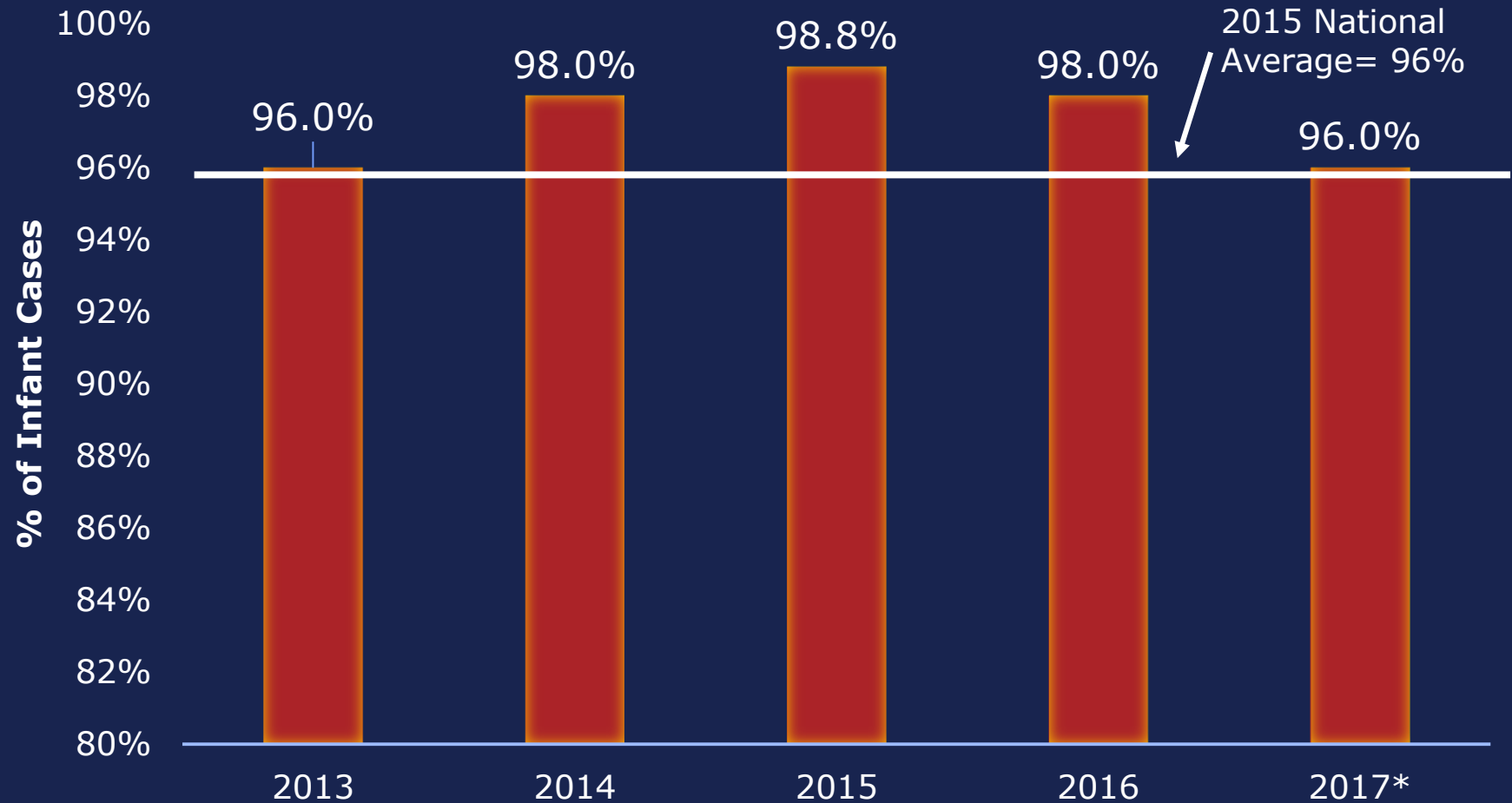
\*Data is provisional as of 5/1/18



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# Infants with Birth Dose/HBIG within 1 Day of Birth, 2013-17\*



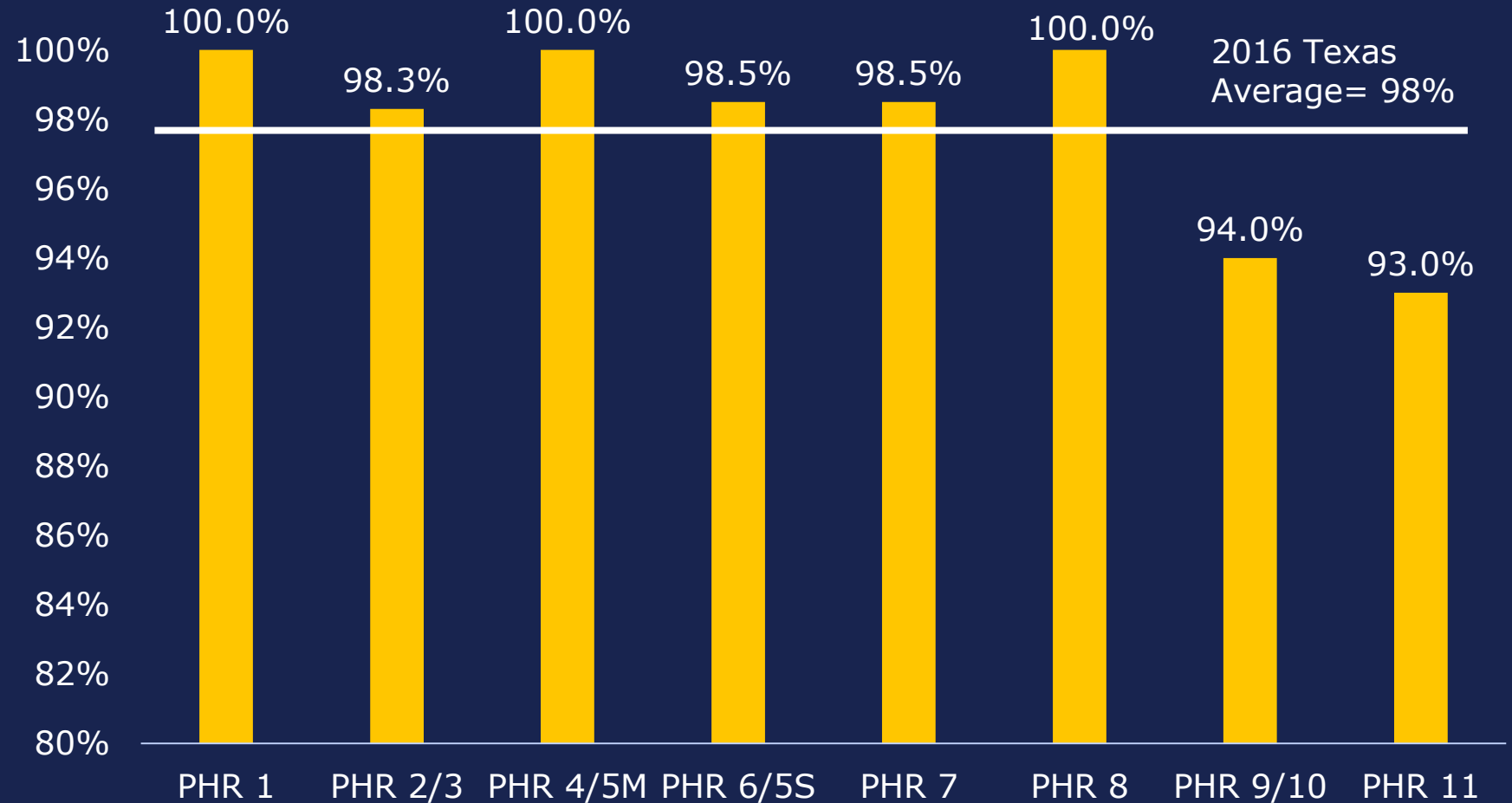
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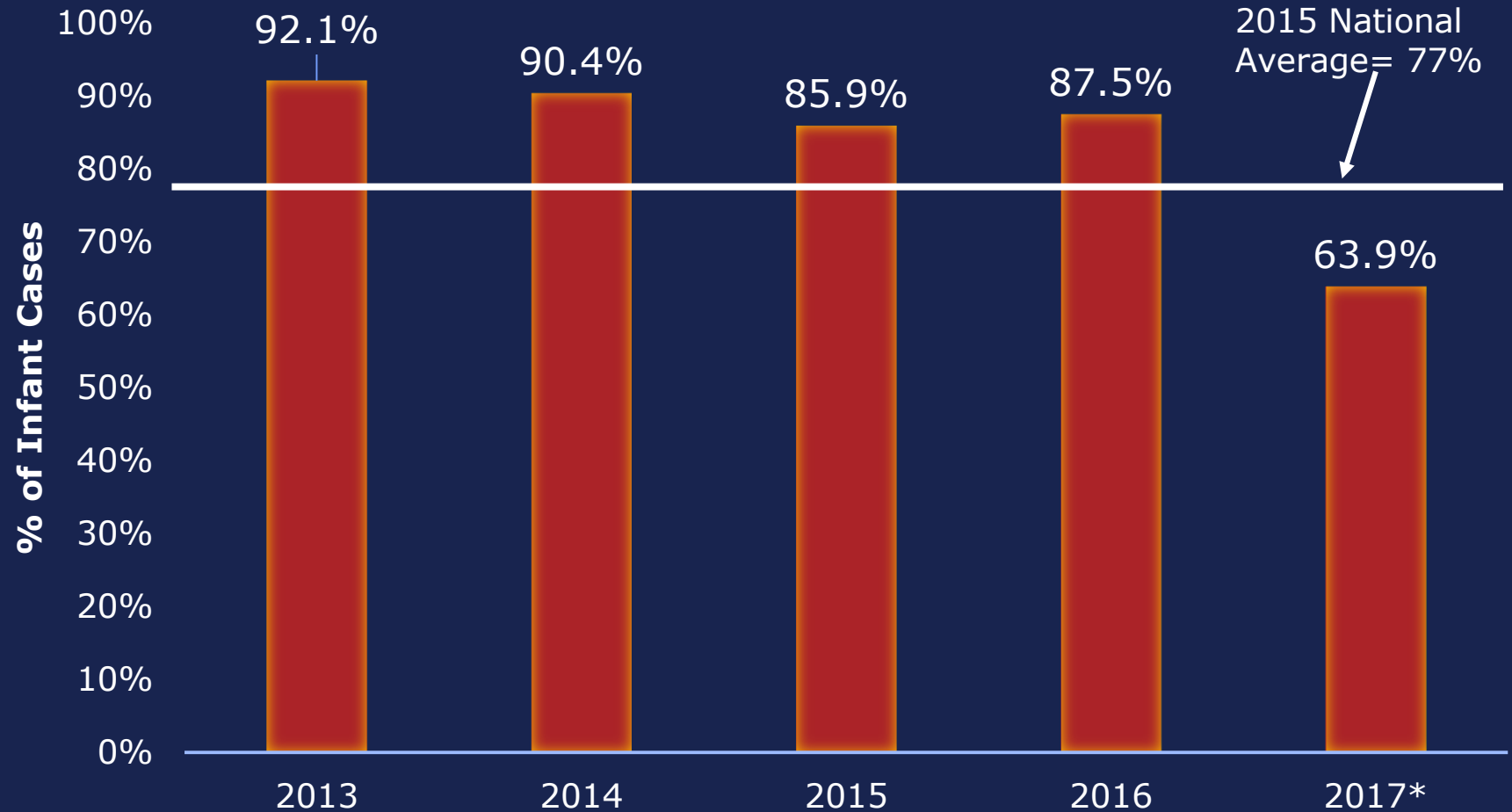
# Infants with Birth Dose/HBIG within 1 Day of Birth by PHR, 2016



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# Infants that Completed the Series, 2013-17\*



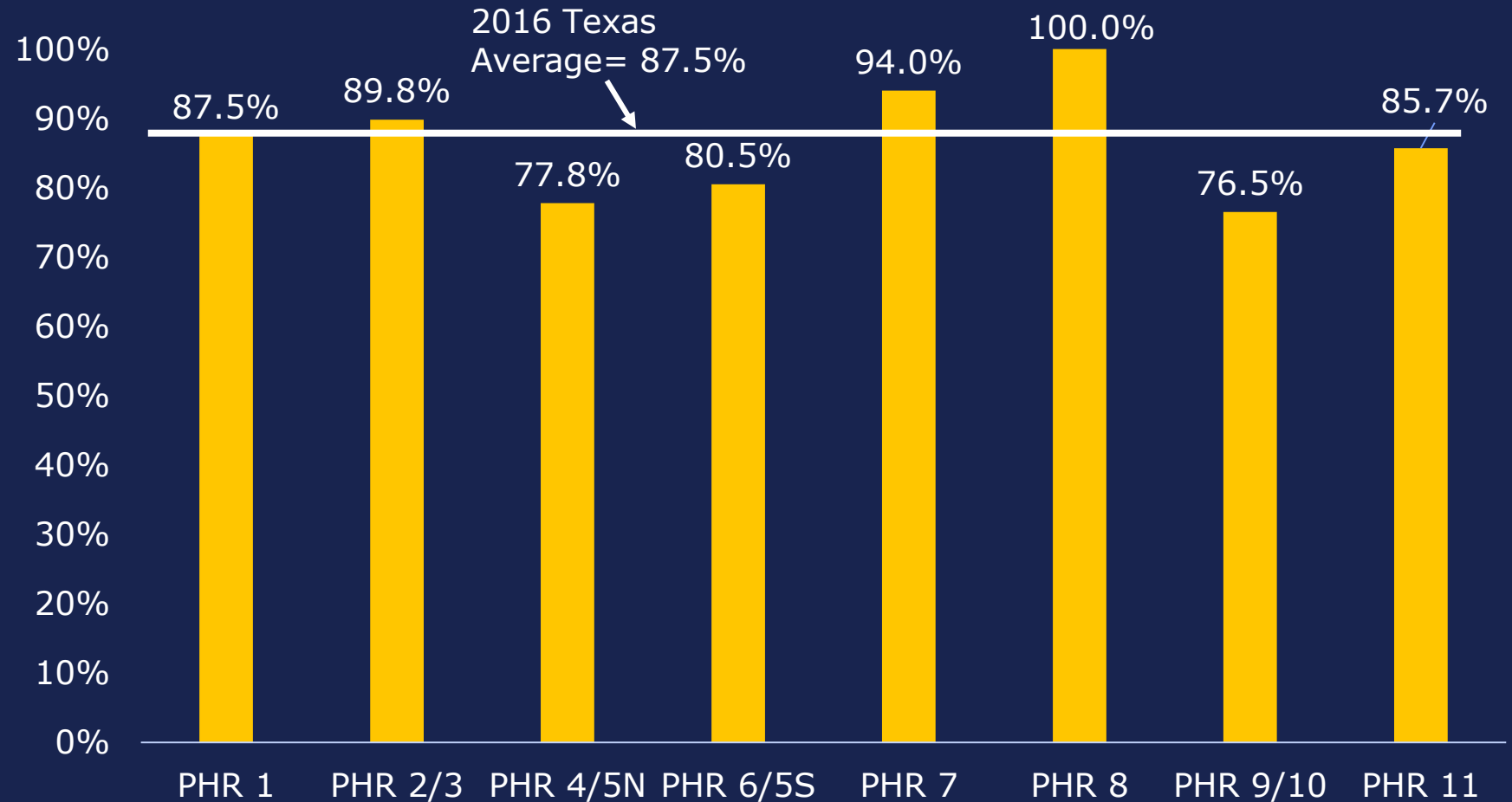
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# Infants that Completed the Series by PHR, 2016

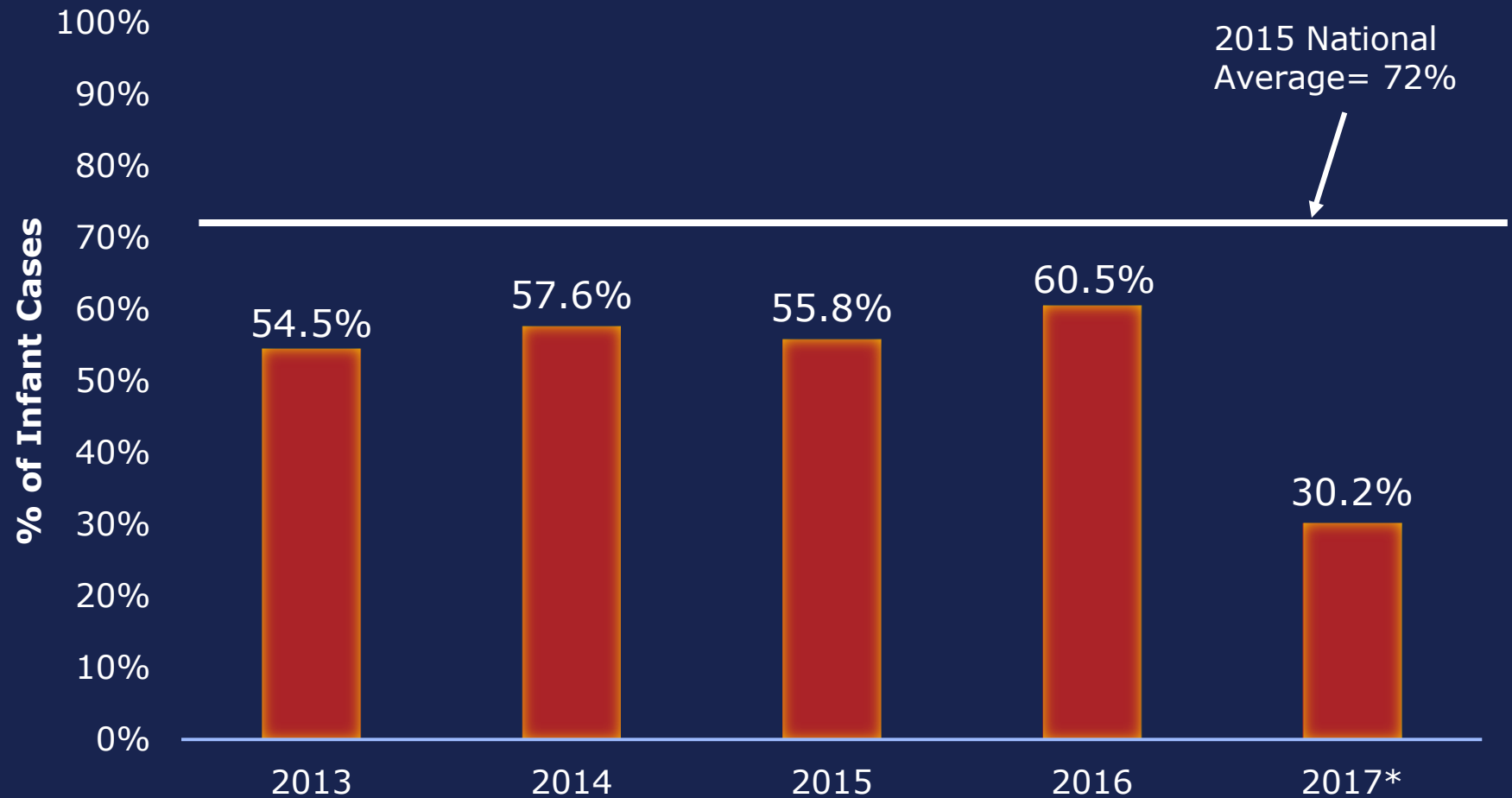


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# Infants with Post-Vaccine Serological Testing, 2013-17\*



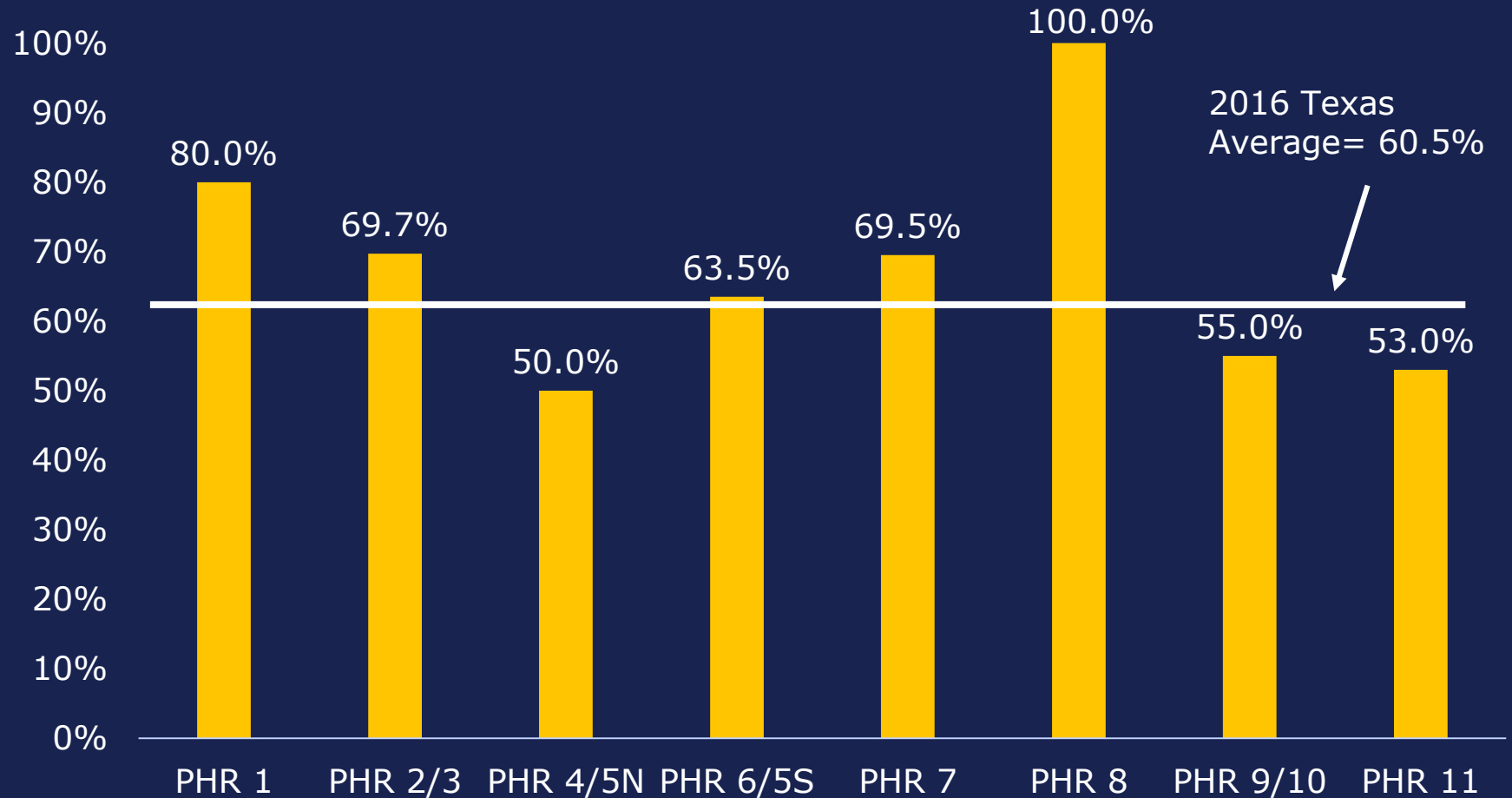
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# Infants with Post-Vaccine Serological Testing by PHR, 2016



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# Summary



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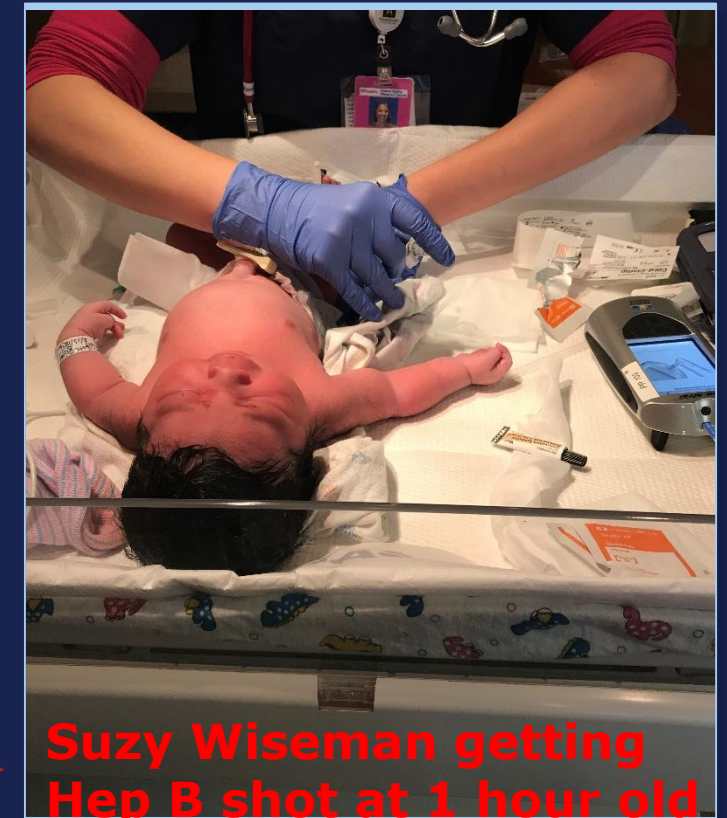
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## Areas for improvement

- Identifying all pregnant women with hepatitis B infection
- Ensuring PHBPP infants are tested for immunity and infection after vaccination

## Areas of success

- Vaccination of all infants at birth
- Prophylaxing exposed infants with HBV/HBIG at birth
- Completing the 3-dose HBV series



**Suzy Wiseman getting  
Hep B shot at 1 hour old**



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# **Thank you!**

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## **Questions?**